

## Abstract Information

\* Abstract Title: Frequency of Abnormal Findings in Lumbar Magnetic Resonance Imaging in Patients with Low Back Pain Referred to Loghman Hakim Hospital in 2017

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\* Name Of the Topics: Neuroimaging

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\* Abstract: Introduction: This study was performed to determine the frequency of abnormal findings in lumbar magnetic resonance imaging in patients with low back pain who were referred to Loghman hakim Hospital, Tehran, Iran in 2017. Materials and Methods: This study was conducted as a descriptive – analytical cross-sectional prospective survey among 150 consecutive patients who referred to Loghman hakim Hospital in 2017. The data were collected by check list and analysis was done by SPSS 16. Results: : The mean age of the patients was 43.24 and 53.9% were female . Abnormal magnetic resonance imaging was seen in 87.4% and 68.2% had disc involvement including 38.6% central, 24.1% right and 33.7% left involvements, 29.64% had bulging, 52.76% protrusion, 9.86% extrusion and finally 0.24% had sequestration. Conclusions: It may be concluded that disc protrusion and bulging are the most common findings in magnetic resonance imaging and according to excellent ability of magnetic resonance imaging in diagnosis of herniation, magnetic resonance imaging is recommended in patients with low back pain.

\* Keywords: Magnetic Resonance Imaging, Low Back Pain, Disk, Herniated